

ductruong

* * * * * STN Columbus * * * * *

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=> file pnttext

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

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0.22

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FILE 'RDISCLOSURE' ENTERED AT 10:54:34 ON 29 JUL 2009

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FILE 'USPATFULL' ENTERED AT 10:54:34 ON 29 JUL 2009

CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATOLD' ENTERED AT 10:54:34 ON 29 JUL 2009

CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 10:54:34 ON 29 JUL 2009

CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

=> s polyazole# and polymer#

L1 351 POLYAZOLE# AND POLYMER#

=> s l1 and intrinsic viscosity

L2 64 L1 AND INTRINSIC VISCOSITY

=> s l2 and (aromatic tetra-amino compound# or tetraamino compound#) and aromatic carboxylic acid# and ester#

3 FILES SEARCHED...

7 FILES SEARCHED...

L3 32 L2 AND (AROMATIC TETRA-AMINO COMPOUND# OR TETRAAMINO COMPOUND#) AND AROMATIC CARBOXYLIC ACID# AND ESTER#

=> s l3 and heteroaromatic diaminocarboxylic acid#

L4 28 L3 AND HETEROAROMATIC DIAMINOCARBOXYLIC ACID#

=> s l4 and heat? and cool?

L5 27 L4 AND HEAT? AND COOL?

=> s l5 and inert gas

L6 27 L5 AND INERT GAS

=> s l6 and particle#

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L7 14 L6 AND PARTICLE#

=> s l7 and comminut?

L8 8 L7 AND COMMINUT?

=> d l8 1-8

L8 ANSWER 1 OF 8 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN

AN 2004:160174 EPFULL EDP 20060223 ED 20060223 UP 20060830
DUPD 20060830 DUPW 200635

TIEN Long-life membrane electrode assemblies.

TIFR Unites membrane-electrodes a longue duree.

TIDE Membran-Elektrodeneinheiten mit langer Lebensdauer.

IN The designation of the inventor has not yet been filed

PA Pemeas GmbH, 65926 Frankfurt am Main, DE

PAN 4944860

AG Luderschmidt, Schueler & Partner, Patentanwalte, Industriepark Hoechst,
Geb. F821, 65926 Frankfurt am Main, DE

AGN 101418

DT Patent

LAF English

LA English

LAP English

TL German; English; French

PIT EPA2 Application published without search report

PI EP 1624512 A2 20060208

DS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO
SE SI SK TR

EXTENSION STATES: AL HR LT LV MK

AI EP 2004-25081 A 20041021

PRAI EP 2004-18600 A 20040805

IPCI H01M0008-02 [I,A]; H01M0008-10 [I,A]

H01M0008-02 [I,C*]; H01M0008-10 [I,C*]

L8 ANSWER 2 OF 8 PCTFULL COPYRIGHT 2009 Univentio on STN

AN 2006013108 PCTFULL ED 20060331 EW 200606

TIEN LONG-LIFE MEMBRANE ELECTRODE ASSEMBLIES

TIFR ENSEMBLES ELECTRODES-MEMBRANE LONGUE DUREE

IN HOPPEs, Glen, Fuchstanzstrasse 20, 60489 Frankfurt, DE;

PUFFER, Raymond, 196 Boght Road, Watervliet, NY 12189, US

PA PEMEAS GMBH, Industriepark Hoechst, 65926 Frankfurt am Main, DE

AG DDoERR, Klaus et al., Industriepark Hoechst Geb. F821, 65926 Frankfurt am
Main, DE

LAF English

LA English

DT Patent

PI WO 2006013108 A2 20060209

DS W: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR
CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID
IL IN IS JP KE KG KM KP KR KZ LC LK LR LS LT LU LV MA MD
MG MK MN MW MX MZ NA NG NI NO NZ OM PG PH PL PT RO RU SC
SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA UG US UZ VC VN
YU ZA ZM ZW

RW (ARIPO): BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

RW (EAPO): AM AZ BY KG KZ MD RU TJ TM

RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LT
LU LV MC NL PL PT RO SE SI SK TR

RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

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PRAI EP 2004-04018600 20040805
EP 2004-04025081 20041021
US 2004-60620747 20041021
AI WO 2005-EP8488 A 20050805
IPCI H01M0008-02 [I,A]; H01M0008-10 [I,A]; H01M0008-24 [I,A]
H01M0008-02 [I,C*]; H01M0008-10 [I,C*]; H01M0008-24 [I,C*]

L8 ANSWER 3 OF 8 USPATFULL on STN
AN 2008:305837 USPATFULL
TI Membrane-Electrode Units and Fuel Cells Having a Long Service Life
IN Uensal, Oemer, Mainz, GERMANY, FEDERAL REPUBLIC OF
Schmidt, Thomas, Moerfelden-Walldorf, GERMANY, FEDERAL REPUBLIC OF
Padberg, Christoph, Wiesbaden, GERMANY, FEDERAL REPUBLIC OF
Ott, Detlef, Sulzbach, GERMANY, FEDERAL REPUBLIC OF
PA BASF Fuel Cell GmbH, Frankfurt Am Main, GERMANY, FEDERAL REPUBLIC OF
(non-U.S. corporation)
PI US 20080268321 A1 20081030
AI US 2006-63339 A1 20060805 (12)
WO 2006-EP7767 20060805
20080710 PCT 371 date

PRAI DE 2005-102005038195 20050812
DT Utility
FS APPLICATION
LN.CNT 1775
INCL INCLM: 429/034.000
INCLS: 429/040.000
NCL NCLM: 429/034.000
NCLS: 429/040.000
IC IPCI H01M0002-00 [I,A]; H01M0004-00 [I,A]
IPCR H01M0002-00 [I,C]; H01M0002-00 [I,A]; H01M0004-00 [I,C];
H01M0004-00 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 4 OF 8 USPATFULL on STN
AN 2008:214139 USPATFULL
TI Fuel Cells With Reduced Weight and Volume
IN Schmidt, Thomas, Morfelden-Walldorf, GERMANY, FEDERAL REPUBLIC OF
Uensal, Oemer, Mainz, GERMANY, FEDERAL REPUBLIC OF
PA BASF Fuel Cell GmbH, Frankfurt am Main, GERMANY, FEDERAL REPUBLIC OF
(non-U.S. corporation)
PI US 20080187807 A1 20080807
AI US 2006-913574 A1 20060503 (11)
WO 2006-EP4122 20060503
20080303 PCT 371 date

PRAI DE 2005-102005020604 20050503
DT Utility
FS APPLICATION
LN.CNT 1597
INCL INCLM: 429/030.000
INCLS: 429/034.000; 296/231.000
NCL NCLM: 429/030.000
NCLS: 029/623.100; 429/034.000
IC IPCI H01M0008-10 [I,A]; H01M0008-02 [I,A]
IPCR H01M0008-10 [I,C]; H01M0008-10 [I,A]; H01M0008-02 [I,C];
H01M0008-02 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 5 OF 8 USPATFULL on STN
AN 2008:137565 USPATFULL

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TI High-Molecular-Weight Polyazoles
 IN Calundann, Gordon, North Plainfield, NJ, UNITED STATES
 Uensal, Oemer, Mainz, GERMANY, FEDERAL REPUBLIC OF
 Benicewicz, Brian, North Loudonville, NY, UNITED STATES
 Dawkins, Bobby G., Charlotte, NC, UNITED STATES
 Baker, J. Dean, Rock Hill, SC, UNITED STATES
 Joiner, Rita H., Rock Hill, SC, UNITED STATES
 PI US 20080119634 A1 20080522
 AI US 2003-538190 A1 20031202 (10)
 WO 2003-EP13529 20031202
 20060518 PCT 371 date
 20021216
 PRAI DE 2002-10258580
 DT Utility
 FS APPLICATION
 LN.CNT 732
 INCL INCLM: 528/363.000
 NCL NCLM: 528/363.000
 IC IPCI C08G0073-18 [I,A]; C08G0073-00 [I,C*]
 IPCR C08G0073-00 [I,C]; C08G0073-18 [I,A]; C08G0073-06 [I,A];
 C08G0073-22 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 6 OF 8 USPATFULL on STN
 AN 2007:284336 USPATFULL
 TI Membrane Electrode Units and Fuel Cells with an Increased Service Life
 IN Schmidt, Thomas, Frankfurt, GERMANY, FEDERAL REPUBLIC OF
 Padberg, Christoph, Wiesbaden, GERMANY, FEDERAL REPUBLIC OF
 Hoppes, Glen, Frankfurt, GERMANY, FEDERAL REPUBLIC OF
 Ott, Detlef, Sulzbach, GERMANY, FEDERAL REPUBLIC OF
 Rat, Francis, Ransbach-Baumbach, GERMANY, FEDERAL REPUBLIC OF
 Jantos, Marc, Bad Homburg, GERMANY, FEDERAL REPUBLIC OF
 PA PEMEAS GMBH, Frankfurt am Main, GERMANY, FEDERAL REPUBLIC OF, 65926
 (non-U.S. corporation)
 PI US 20070248889 A1 20071025
 AI US 2005-572344 A1 20050721 (11)
 WO 2005-EP7946 20050721
 20070508 PCT 371 date
 PRAI DE 2004-102004035309 20040721
 DT Utility
 FS APPLICATION
 LN.CNT 1788
 INCL INCLM: 429/309.000
 NCL NCLM: 429/309.000
 IC IPCI H01M0006-18 [I,A]
 IPCR H01M0006-18 [I,C]; H01M0006-18 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 7 OF 8 USPATFULL on STN
 AN 2007:284310 USPATFULL
 TI Membrane-Electrode Unit and Fuel Elements with Increased Service Life
 IN Pawlik, Jurgen, Battenberg, GERMANY, FEDERAL REPUBLIC OF
 Uensal, Oemer, Mainz, GERMANY, FEDERAL REPUBLIC OF
 Schmidt, Thomas, Frankfurt, GERMANY, FEDERAL REPUBLIC OF
 Padberg, Christoph, Wiesbaden, GERMANY, FEDERAL REPUBLIC OF
 Hoppes, Glen, Frankfurt, GERMANY, FEDERAL REPUBLIC OF
 PI US 20070248863 A1 20071025
 AI US 2005-573105 A1 20050805 (11)
 WO 2005-EP8487 20050805
 20070626 PCT 371 date

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PRAI EP 2004-18600 20040805
DT Utility
FS APPLICATION
LN.CNT 1762
INCL INCLM: 429/030.000
INCLS: 427/115.000; 429/306.000
NCL NCLM: 429/030.000
NCLS: 427/115.000; 429/306.000
IC IPCI H01M0008-10 [I,A]
IPCR H01M0008-10 [I,C]; H01M0008-10 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 8 OF 8 USPATFULL on STN
AN 2007:174115 USPATFULL
TI HIGH-MOLECULAR-WEIGHT POLYAZOLES USED AS PROTON CONDUCTING
MEMBRANES
IN Calundann, Gordon, North Plainfield, NJ, UNITED STATES
Uensal, Oemer, Mainz, GERMANY, FEDERAL REPUBLIC OF
Benicewicz, Brian, Loudonville, NY, UNITED STATES
Dawkins, Bobby G., Charlotte, NC, UNITED STATES
Baker, J. Dean, Rock Hill, SC, UNITED STATES
Joiner, Rita H., Rock Hill, SC, UNITED STATES
PI US 20070151926 A1 20070705
AI US 2007-684826 A1 20070312 (11)
RLI Division of Ser. No. US 2002-538190, PENDING A 371 of International Ser.
No. WO 2003-EP13529, filed on 2 Dec 2003
PRAI DE 2002-10258580 20021216
DT Utility
FS APPLICATION
LN.CNT 725
INCL INCLM: 210/650.000
NCL NCLM: 210/650.000
IC IPCI B01D0061-00 [I,A]
IPCR B01D0061-00 [I,C]; B01D0061-00 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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